

1.3-Megapixel Digital Camera

User Manual



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1 Brief Description

Your 1.3-Megapixel Digital Camera is roughly the size of a credit card - only 11 mm thick. The camera's portability and convenience are enabled by its "worry-free" rechargeable battery, simple user interface, and easy image download when you connect the camera to a PC or Mac with the supplied USB cable.

Package Contents

Be sure to check that the package contains all the items listed below:

- Camera
- USB cable
- CD-ROM
- User's manual

If any items are missing, please contact the store where you purchased the camera. Keep the camera packaging in a safe place as it will be needed if you return the camera for repairs, etc.

2 Before Using Your Camera

*To ensure that you use your camera correctly, read the **Safety Notes** in Section 8 and the rest of this user's manual carefully.*

Holding the camera correctly

Due to the extremely compact size and light weight of the camera, it is critical that you hold the camera securely in order to avoid "camera shake". The camera is particularly sensitive to "shake" in low light environments. Taking a picture in low light requires a longer exposure time for the image to be captured and any movement during this time might cause a blurred image.

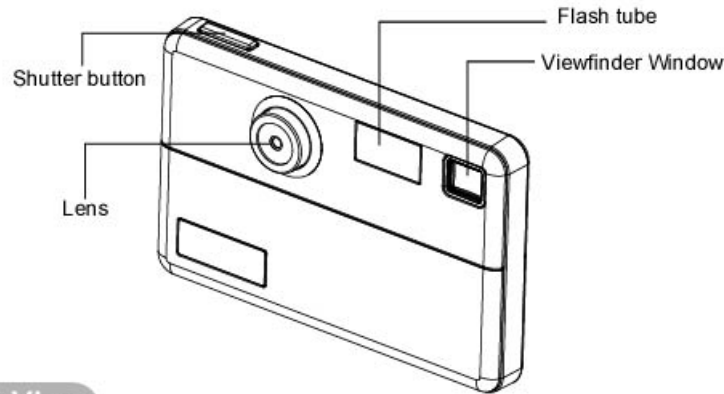
When taking a photo in low light conditions, the flash may trigger. Before this happens, try to avoid gripping the camera with your fingers placed on the front face of the camera. Instead, hold the camera on its edges so that the light of the flash does not reflect off your finger(s) and cause lens flare.

Taking test photos

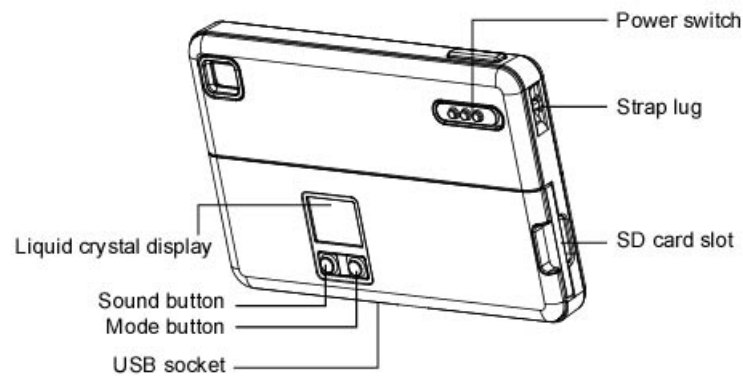
Before you capture your first images, we recommended you take some test photos to make sure that the camera is working properly. This will also help you become comfortable holding the camera in order to capture satisfactory images.

Identifying the parts

Front View



Back View



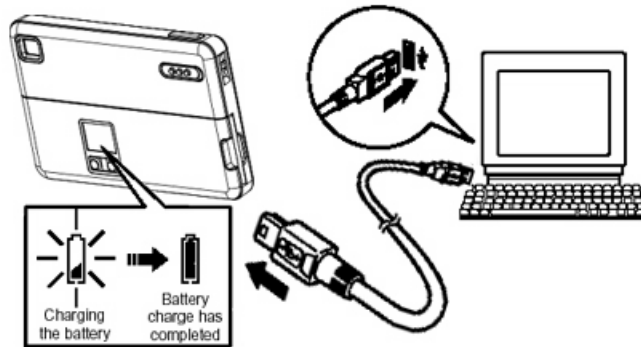
3 Using Your 1.3-Megapixel Digital Camera

Charging the battery

Long battery life is one of the key benefits of this camera compared to other digital cameras. On a full charge, the camera will take hundreds of images with the flash or over one thousand shots without the flash. Your camera battery has already been charged prior to shipment. So, you should be able to take pictures without recharging it. However, just to be certain, you may want to follow the instructions below to make sure that your camera is fully charged before putting the camera to use.

The lithium-polymer battery used in the camera recharges automatically when the camera is plugged into a PC or Mac via the USB cable. In order to charge the battery the first time, first install the included software (see **Installing the Software** in Section 4) and then plug the camera into your computer using the provided USB cable. When the battery is charging,

the battery life indicator will show that the battery is being charged by scrolling from 1 to 3 ticks on the battery icon. When charging is complete, the battery indicator will remain solid with 3 ticks.



Lithium-polymer battery tips

- **Safety note:** Always observe the precautions described in Section 8.
- It takes approximately 3 hours to fully charge a depleted battery.
- The camera can be charged at ambient temperatures between 0°C – +40°C.
- The battery does not need to be fully discharged or exhausted before being recharged.
- Lithium-polymer batteries lose their charge even when not used. So, be sure to charge the battery before taking pictures.
- To ensure that your battery lasts as long as possible, switch the camera off when you are not using it.
- The number of available shots will be lower at low temperatures. You can increase the amount of power produced by putting the camera in your pocket or another warm place to heat it just before taking pictures. If you are using a heating pad, take care not to place the camera directly against the pad.

Turning on the camera

Move the power switch to the “On” position to turn on the camera. The LCD will turn on when the camera turns on.

- **Note:** The camera has an automatic time-out feature to conserve battery life. When timed out, the camera will not take a photo when you push the shutter button. Press either the “Resolution” or “Sound” button to wake up the camera.

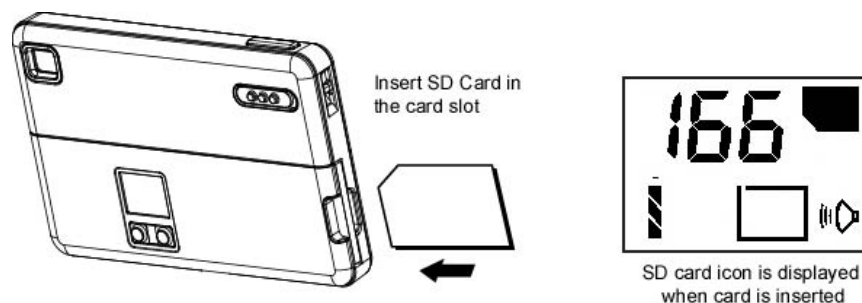
Understanding the LCD icons



LCD	Description
888	Picture Counter. Shows remaining number of shots.
	High Resolution indicator. (Default State) Switch between High and Low Resolution by momentarily pressing Resolution / Delete button.
	Low Resolution indicator. Switch between Hi and Low Resolution by momentarily pressing Resolution / Delete button.
	Indicates Battery Charge State : The battery has ample charge. : The battery is approximately half-charged. : The battery charge is low. Recharge the battery as it will run out shortly. : The battery has no charge. Recharge before next use.
	Image Size : 1280 x 1024 pixels : 640 x 480 pixels
	Secure Digital Card indicator
	Delete indicator
ONE ALL For	ONE : Deletes the last image shot. ALL : Deletes all the images. For : Formats the memory.
	Beep Tone on
	Strobe Indicator. Flashes on and off while charging.

Using Secure Digital (SD) memory cards

Your camera is capable of storing images on Secure Digital (SD) memory cards. To use an SD card, insert the card into the SD slot in your camera. The LCD will show the SD card indicator when an SD card is in the slot.



Notes:



- It may be necessary to format the SD card the first time it is used; especially if the card has been used in devices other than your camera. When the SD card needs to be formatted, an error beep will sound and the LCD will display “E2”. To format, see **Deleting an Image/Formatting Flash Memory or SD Card** in Section 3.
- The camera comes with a “dummy” SD card in order to prevent dust, dirt, or other particles from entering the SD card slot. Always keep either the dummy SD card or a real SD card in the slot in order to protect the slot.
- When a real SD card is in the camera, the camera does not write to the internal flash memory. When the dummy SD card is in the slot, the camera will save images to the internal flash memory. When a real, full (no memory space available) SD card is in the slot, remove that card and replace it with the dummy SD card. This will allow images to be stored in the camera’s internal flash memory.
- If the SD card is full, the LCD display will read “□□” and the SD card icon will be solid. If the SD card is write-protected, the LCD display will read “□□” and the SD card icon will flash.
- If there is an error writing to the card, the LCD display will read “E1” and the SD card icon will flash.
- Listed below is the approximate number of images that can be stored on SD cards in High Resolution* and Low Resolution* modes:

	High Res*	Low Res*
8MB	8 images	36 images
16MB	21 images	91 images
32MB	31 images	134 images
64MB	81 images	344 images
128MB	169 images	711 images
256MB	275 images	1401 images



*See **Changing the Resolution** (this section) for details on how to change modes.

Changing the resolution


Your camera offers two choices in resolution: “high” and “low”. “High” resolution is 1.3-megapixel (1280 x 1024 pixels) and “low” is VGA (640 x 480 pixels). The higher resolution setting allows for an image to be printed as large as 4 x 6 inches, but requires more memory to store. The lower resolution setting will allow for more images to be stored on the camera, but does not ensure print-quality detail. It is best suited for images to be e-mailed or posted on a Web site.

LCD	Resolution Size	# of Available Shots (16MB internal memory)
	1280 x 1024 pixels	21
	640 x 480 pixels	91

To change the resolution:

- Turn the camera on and press the “Resolution” button.
-  In high resolution, the resolution indicator will display a large box.
-  In low resolution, the resolution indicator will display a small box.

Turning the sound on/off

To turn the sound on or off, press the sound button  while the camera is turned on. The indicator shows the sound icon when the sound is on.

Taking pictures

To take pictures using your 1.3-Megapixel Digital Camera:

- Turn the camera on (if the camera has timed out, use the power switch or press either the “Resolution” or “Sound” button).
- In low light conditions, check to make sure the flash is ready. The flash icon on the LCD will be solid when it is ready.
- Use the aiming mark in the viewfinder to center the image you want to capture.
- Hold the camera still and press the shutter button.
- The LCD will indicate when the picture has been successfully taken by cycling through the number display. If the sound feature is turned on, two short beeps will also indicate that a picture has been taken.

Note: Tips on holding the camera while taking pictures

See **Before Using Your Camera** in Section 2.

Note: Safety while taking pictures

Do not use the camera while you are walking, running, driving or operating machinery. Doing so can result in a serious accident. See **Safety Notes** in Section 9.

About Autobrite® technology

The camera offers the benefits of a technology known as Autobrite. This technology automatically adjusts the exposure and captures crisp details in scenes with varying lighting conditions, such as glare, backlighting, or shadows. Most existing digital cameras produce washed out or silhouetted images under such conditions. We suggest you try to avoid taking pictures pointing directly at bright objects (such as the sun), due to the potential impact of extremely bright lighting on image quality and lens flare.

Autobrite is proprietary of SMaL Camera Technologies, Inc. of Cambridge, MA, USA.

Low light lockout

Low light lockout is a feature that prevents the camera from taking pictures in low light settings when the flash is not ready. When low light lockout is enabled the camera will give a warning beep – even if the sound is off. To override low light lockout, continue holding the shutter button for 1 second after the warning beep. To turn low light lockout on or off see **Configuring the camera** in Section 5.

Deleting an image

To delete the most recent image

- Press and hold the “Resolution” button until the trash icon begins to flash (the LCD will also display “**ONE**”).
- Press the shutter button while the LCD displays “**ONE**”.
- The LCD will blink while erasing the image.
- When the image has been deleted, the LCD will return to display “**ONE**”. If the sound is on, the camera will beep.
- To delete the next most recent image, press the shutter button again. To resume taking pictures, wait until the LCD displays the number of images remaining in the camera, or cycle through the options by pressing the “Resolution” button.

To delete all the images on the camera

- Press and hold the “Resolution” button until the trash icon begins to flash (the LCD will also display “**ONE**”).
- Press the “Resolution” button again. The LCD will display “**ALL**”.
- Press the shutter button to trigger the deletion process.
- The LCD screen will flash while the images are being deleted.
- The LCD will display the approximate number of images that can be stored in the camera when all the images have been deleted. If the sound is turned on the camera will beep.

Note: you may also delete images by using the photo album on your PC or Mac (see **Configuring the camera** in Section 5).

Formatting internal flash memory or SD card

To format internal flash memory or SD card

Warning: Formatting an SD card or flash memory will delete all information.

- If formatting an SD card, insert the card into the camera. Remove the SD card if you are formatting the internal flash memory.
- Press and hold the “Resolution” button until the trash icon begins to flash (the LCD will also display “**ONE**”).
- Press the “Resolution” button until the LCD displays “**For**”.
- Press the shutter button.
- The LCD screen will flash while formatting.

- The LCD will display the approximate number of images that can be stored in the camera or the SD card when formatting is complete. If the sound is turned on, a beep will indicate when formatting has finished.

4 Connecting the 1.3-Megapixel Digital Camera to a PC or Mac

Important: It is necessary to install the included software **before** connecting your camera to the computer.

System requirements

Windows

- Windows 98 (including SE), ME, 2000, or XP
- 200 MHz Pentium or better
- 32MB RAM
- 200MB available Hard Drive space
- CD-ROM

Mac

- Power Macintosh G3 200 MHz minimum
- Mac OS 9.x or above
- 32MB RAM
- 200MB available Hard Drive space
- CD-ROM

Installing the software

Important: Do not connect your camera to your PC or Mac using the USB cable until software has been installed. Installing the software also installs the necessary drivers for the camera to be able to communicate with your computer.

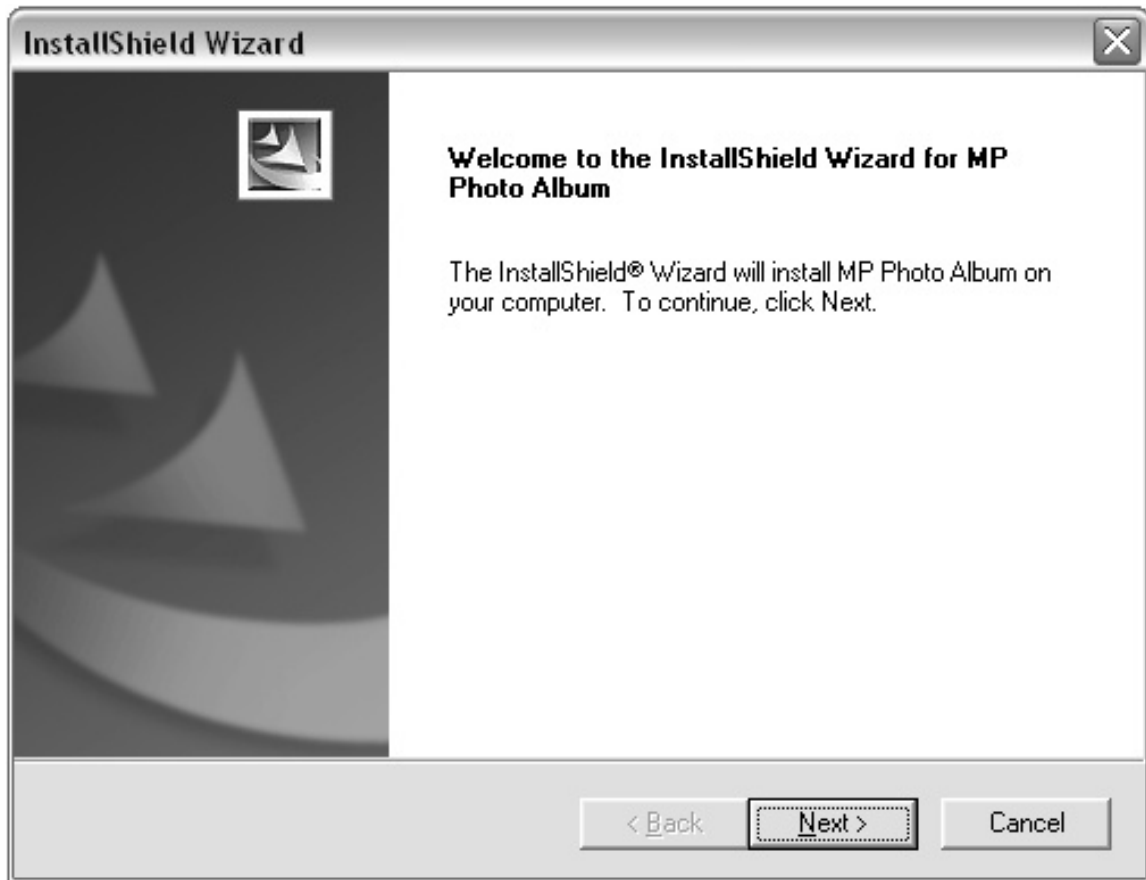
Installing WINDOWS/PC software

Note for Windows 2000/XP users: Log on under Administrator account to install software and drivers.

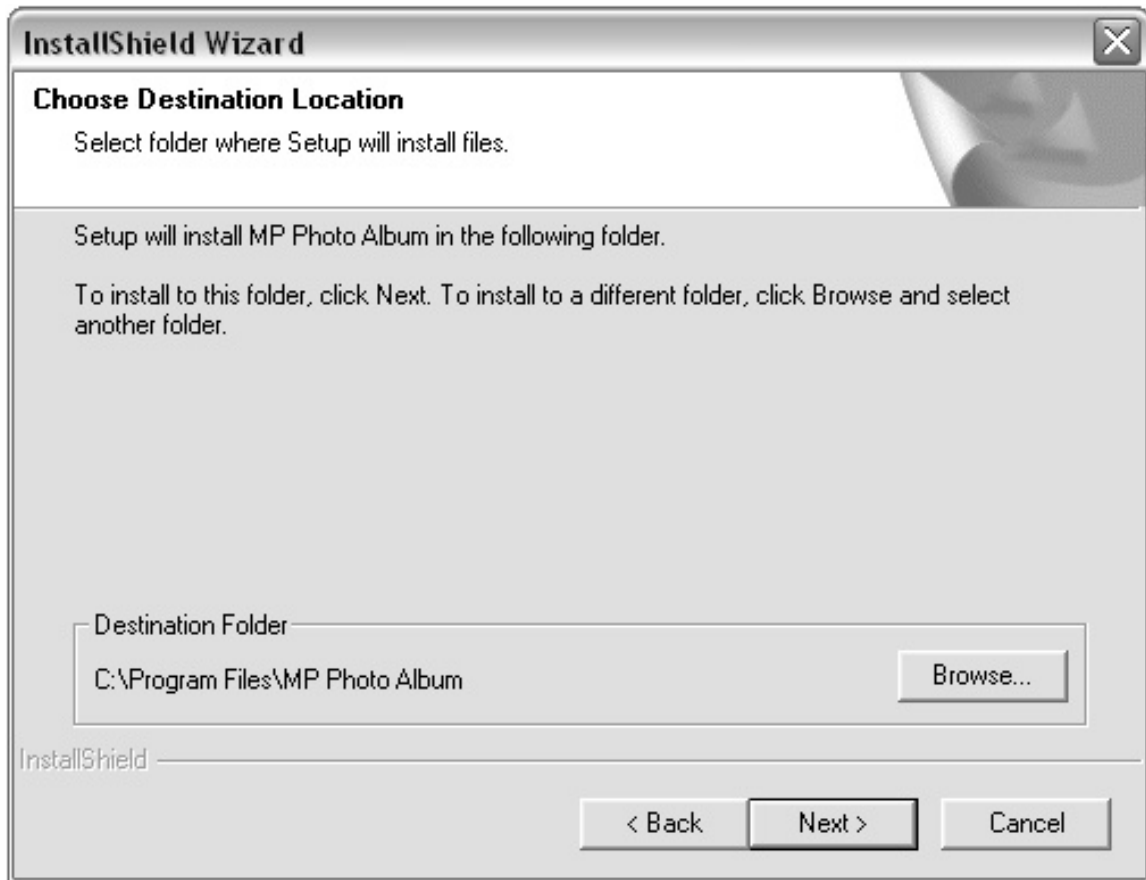
- Insert the installation CD into the CD-ROM drive.



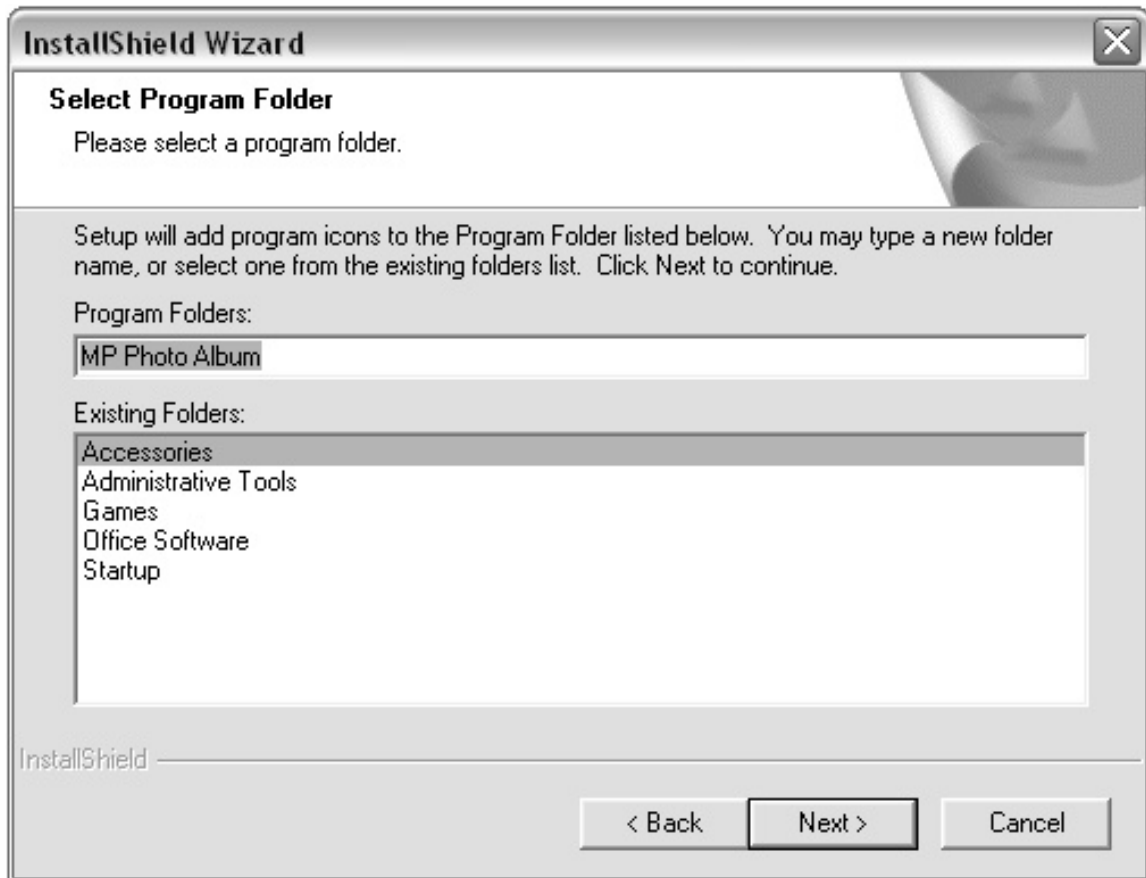
- InstallShield Wizard will automatically begin to install.
If the installation does not automatically begin, run the Setup program from your CD-ROM Drive (D:\MPCam_setup_WIN.exe).



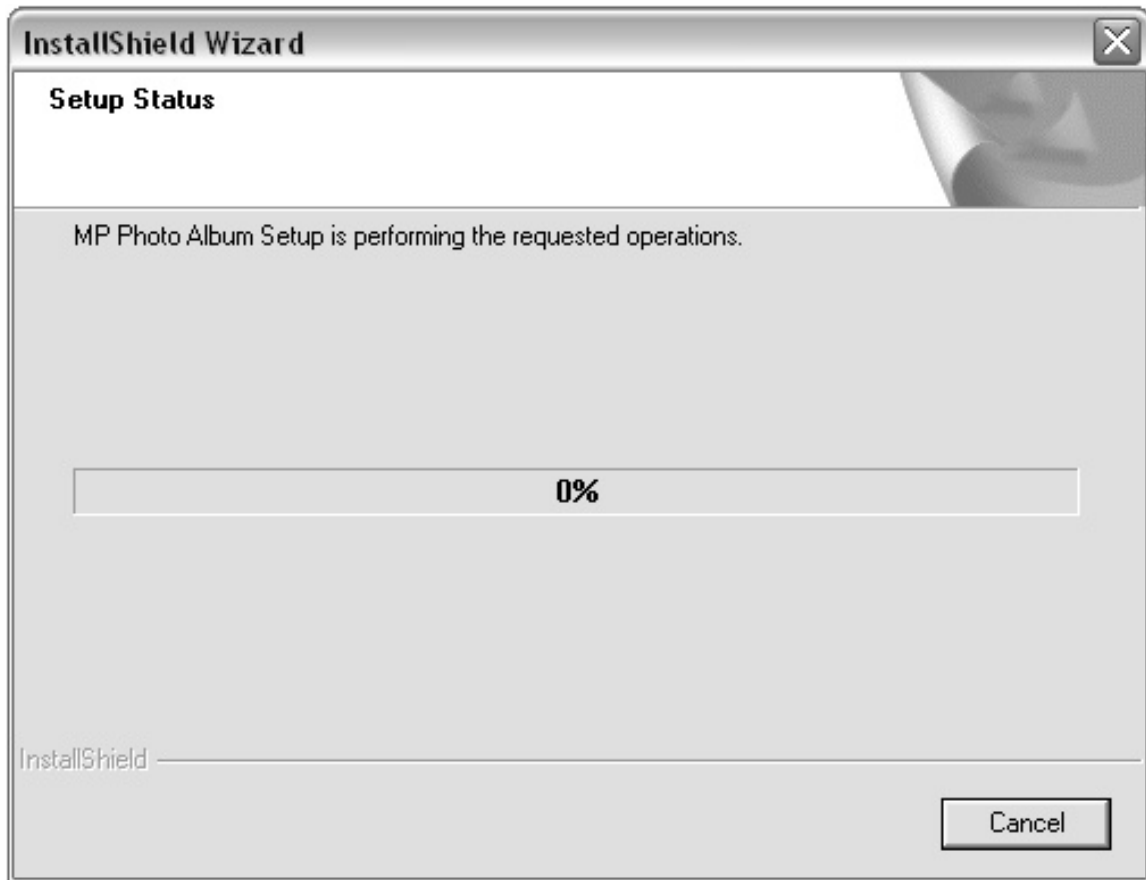
- Click the Next button to begin.



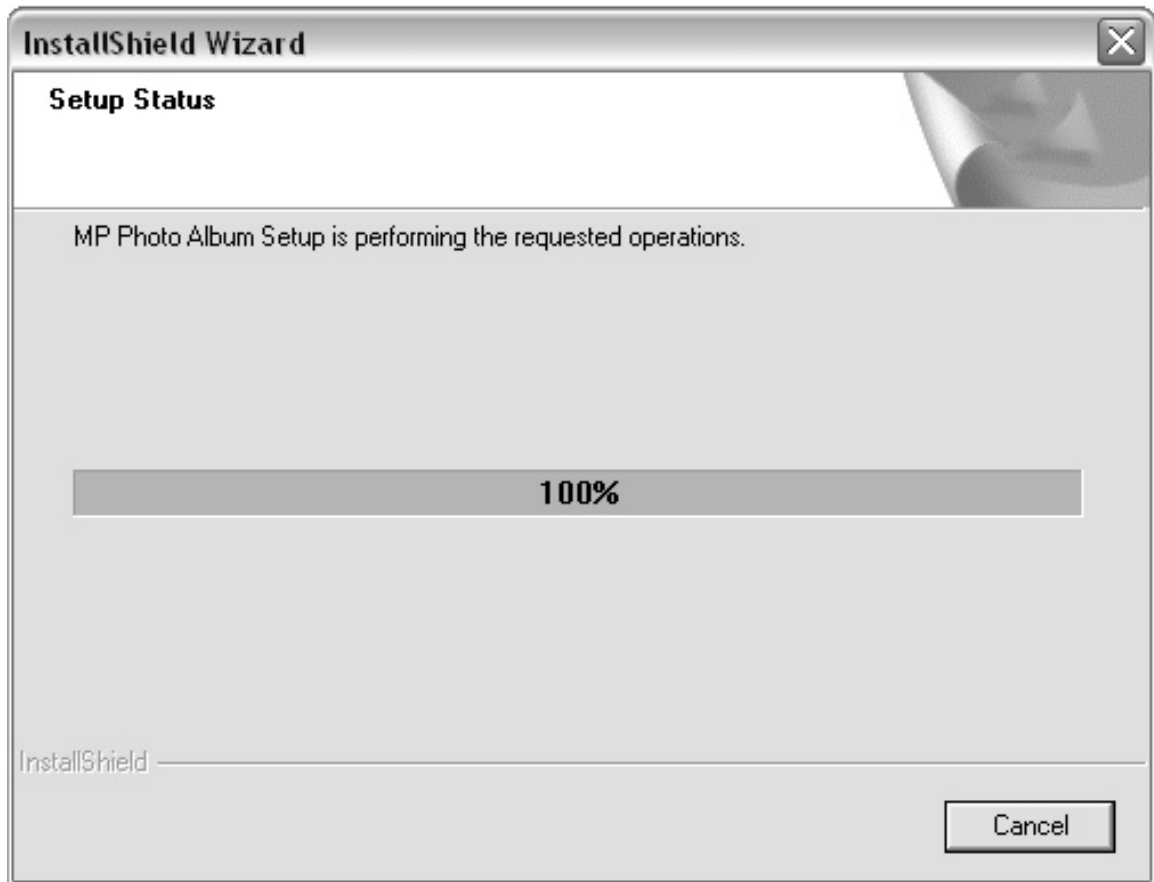
- You will be asked to select a destination folder for the program files to be stored. If you want to change the directory, click browse. Otherwise, click Next.



- When prompted to select where the program icons will be added in your Program Folder, click Next.



- Installation will begin and you will see a progress indicator.



- You will see the above message when setup has reached 100%.

- **Note: Do not be alarmed when you see the next screen.** Your camera has been thoroughly tested on Windows 2000 and XP, so it will work with your computer's operating system.

For Windows XP:



- Click Continue Anyway.
- Once your software has been successfully installed, proceed to **Connecting the Camera to a PC or Mac** (below).

For Windows 2000:



- Click Yes to continue the installation.
- Once your software has been successfully installed, proceed to **Connecting the Camera to a PC or Mac** (below).

Installing MAC OS 9.x software

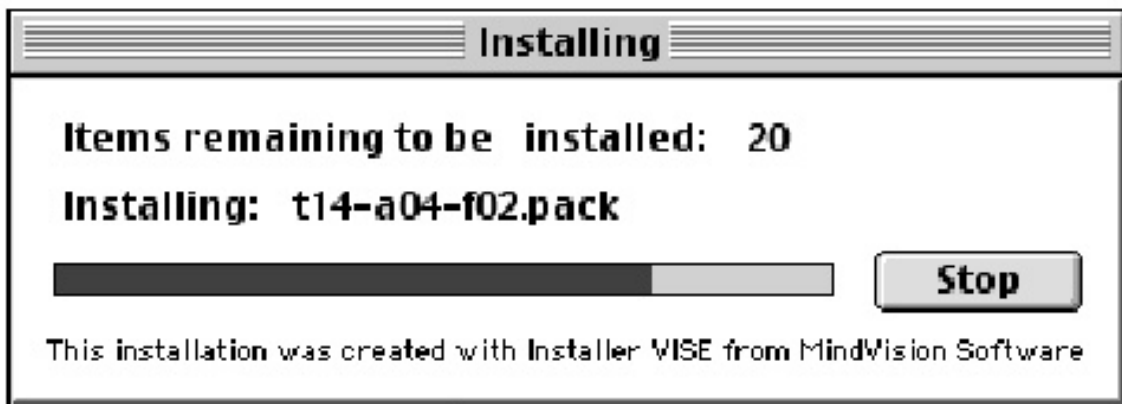
- Insert installation CD into the CD-ROM drive.
- The installation will begin automatically.



- Click Continue



- Select a location for the software to be installed, then click Install.



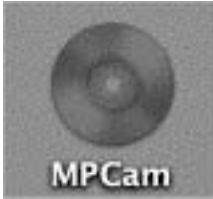
- The software will begin to be installed.



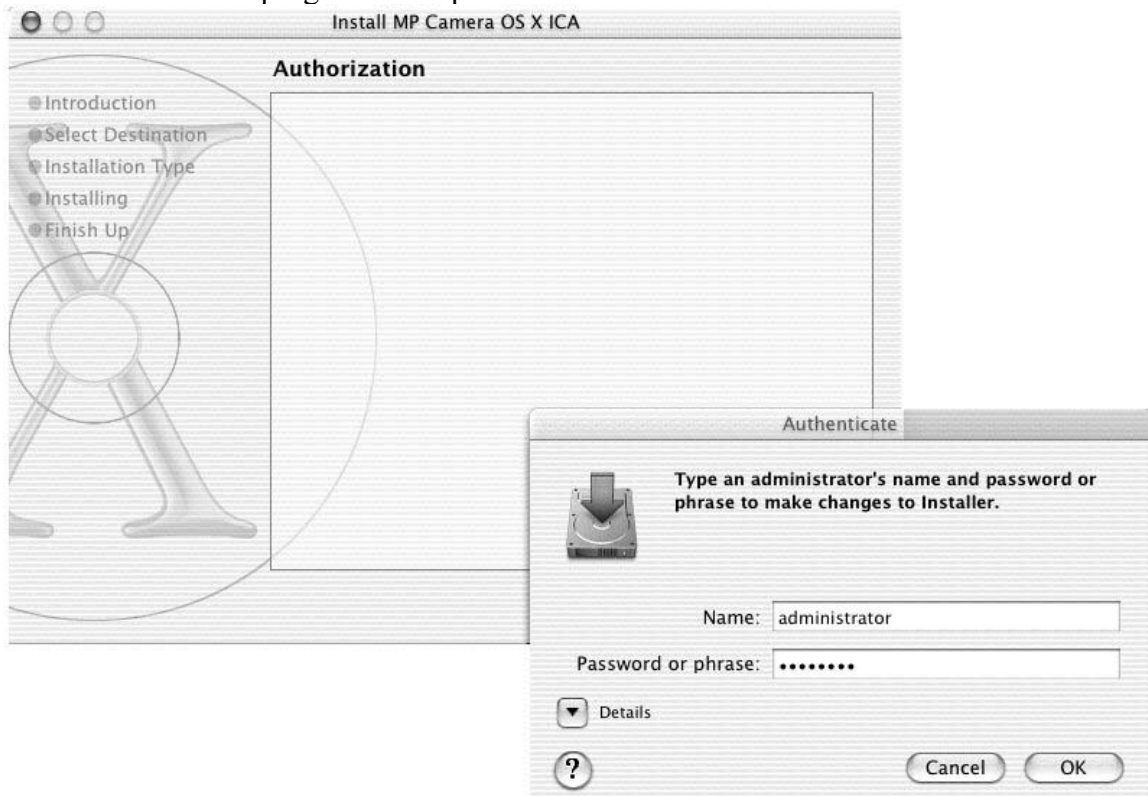
- You will see this message after installation is complete. Click Quit to finish the installation.

Installing Mac OS X software

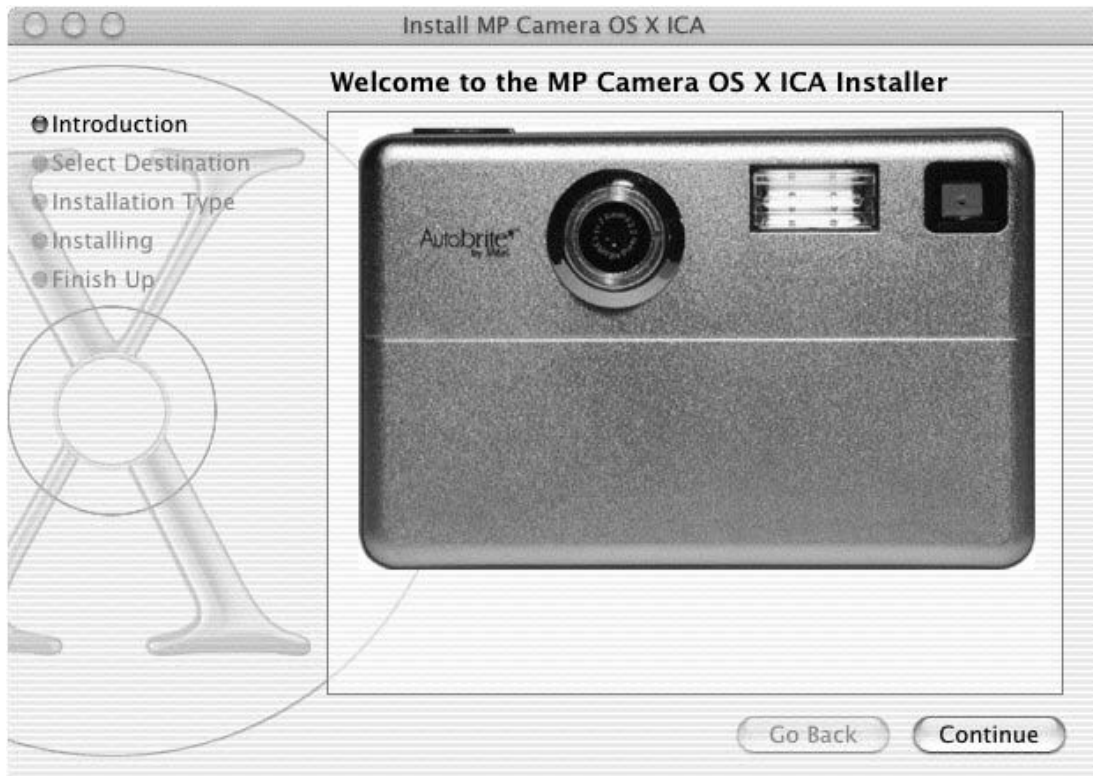
- Insert the installation CD into the CD-ROM drive.



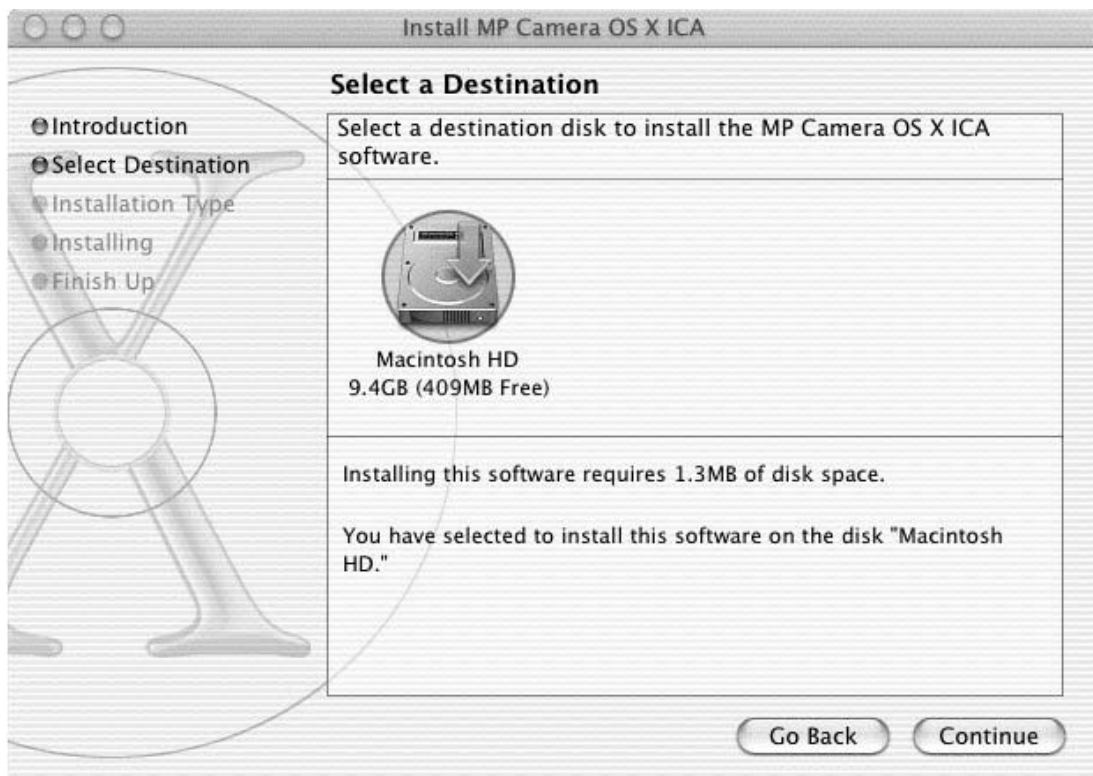
- Select the Ultra-Pocket CD icon.
- Select the file "MPCam_setup_OSX.pkg"
- The Installation program will open.



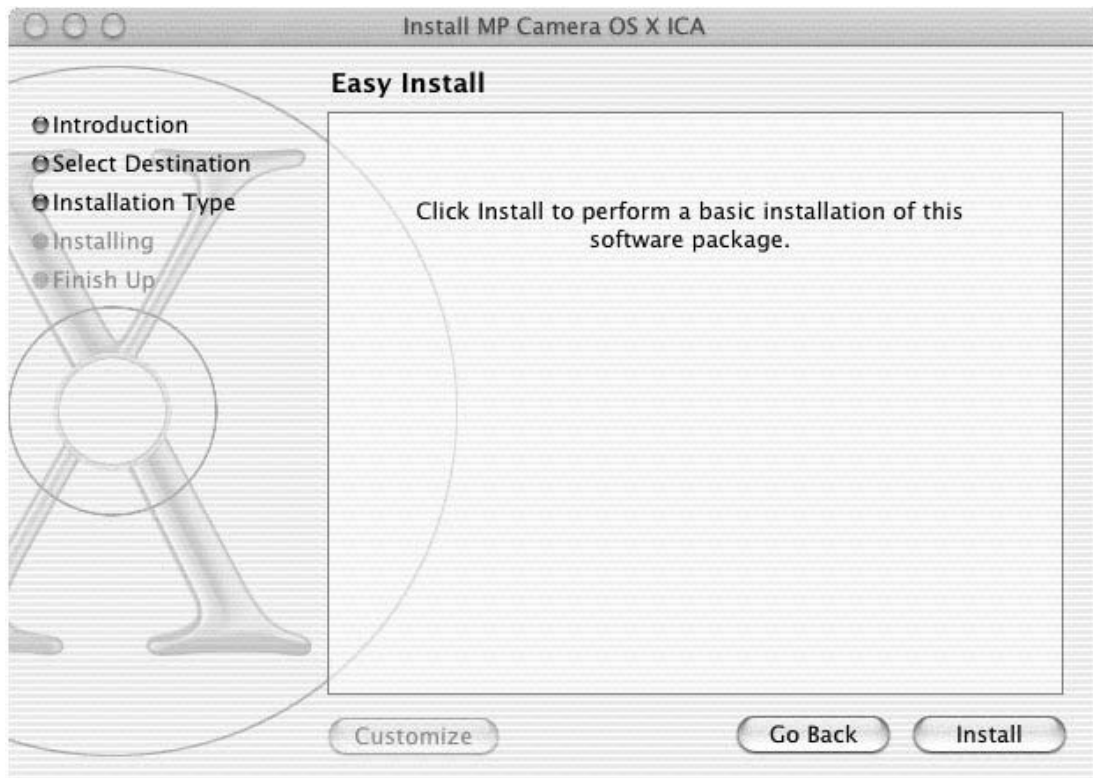
- Enter administrator name and password. Click OK.



- The Welcome screen will be displayed. Click Continue.



- Select the destination for the program files to be installed to and click Continue.



- Click Install.



- You will see this message telling you to restart your computer after installation. Save and close all running programs and click Continue Installation.



- The computer needs to be restarted after installation is completed. Click Restart.

Connecting the camera to a PC or Mac

After the software has been installed on your computer, plug the camera into an available USB port using the provided USB cable. The Windows operating system requires that you install drivers for the camera so that the camera and computer can communicate properly. To do this:

- Connect your camera to an available USB Port.

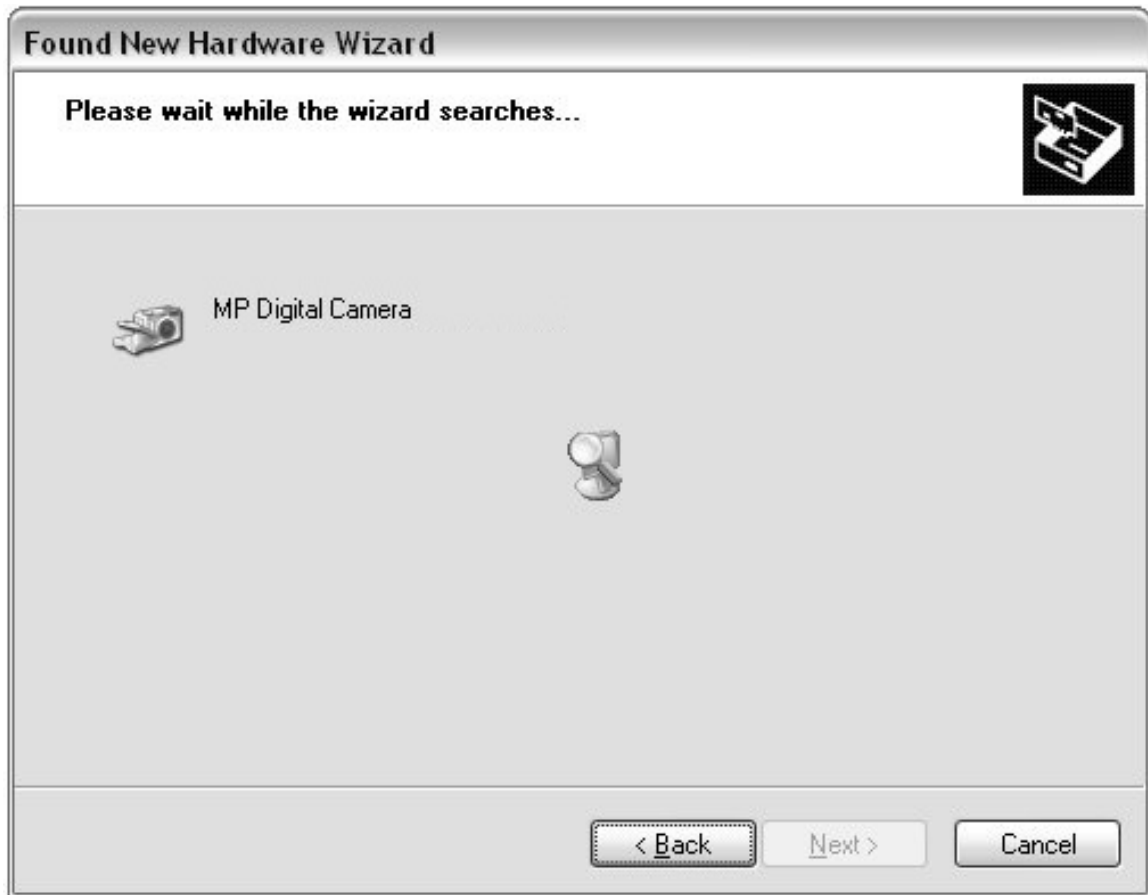




- Windows XP only: When the camera is connected to your PC for the first time, the computer will recognize the new device and display a “Found New Hardware” message. You must wait while the computer identifies your camera. If you have already installed the software, the information window will display the name of the device connected. If you have not installed the software, disconnect the camera from your computer and follow the direction under **Installing the Software** in this section.



- The Found New Hardware Wizard will begin automatically. Make sure that “Install the software automatically” is selected, and click Next.



- Windows will begin to search for the necessary drivers on your system. These were installed with the software. When your computer locates the drivers, your computer may display the following message:

Windows XP only:

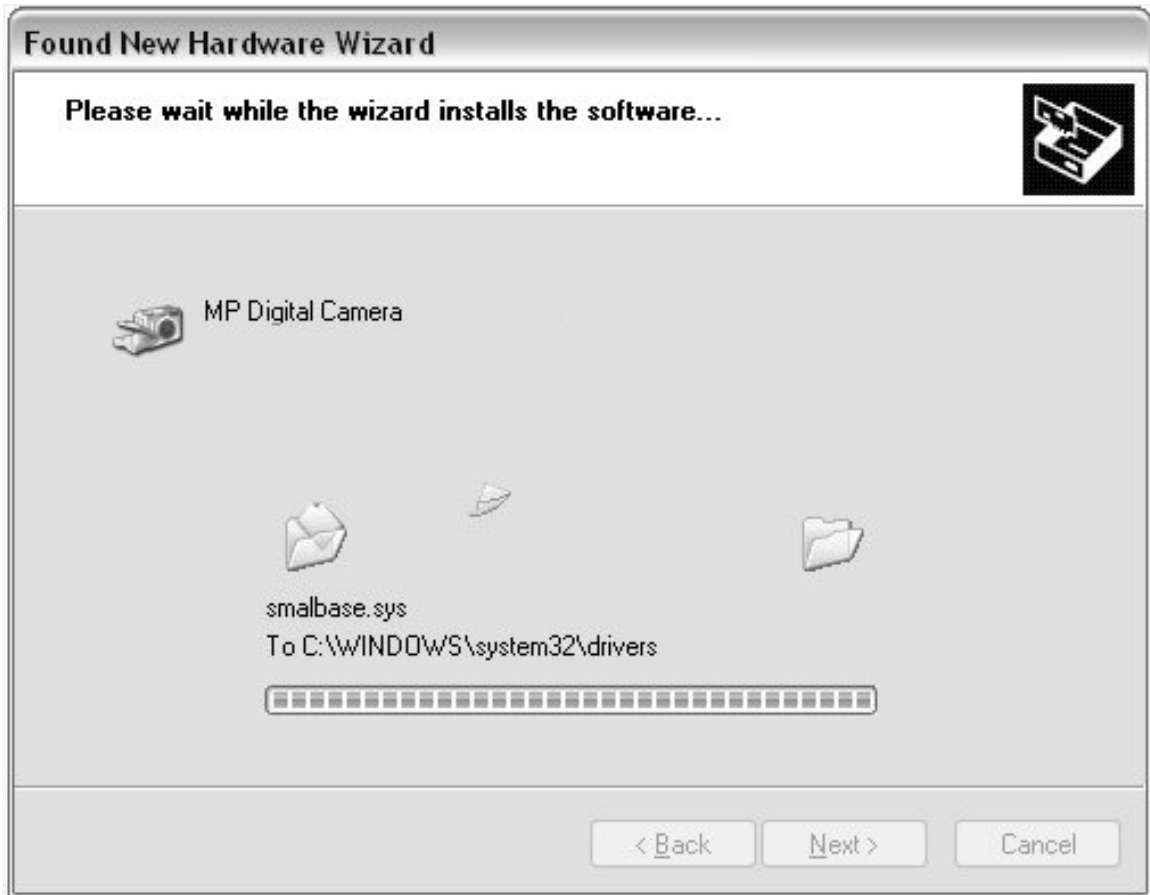


- Click Continue Anyway. Your camera has been thoroughly tested and will work with your system.

Windows 2000 only:



- Click Yes. Your camera has been thoroughly tested and will work with your system.



- Wait while your computer installs the drivers. This step may take several minutes.

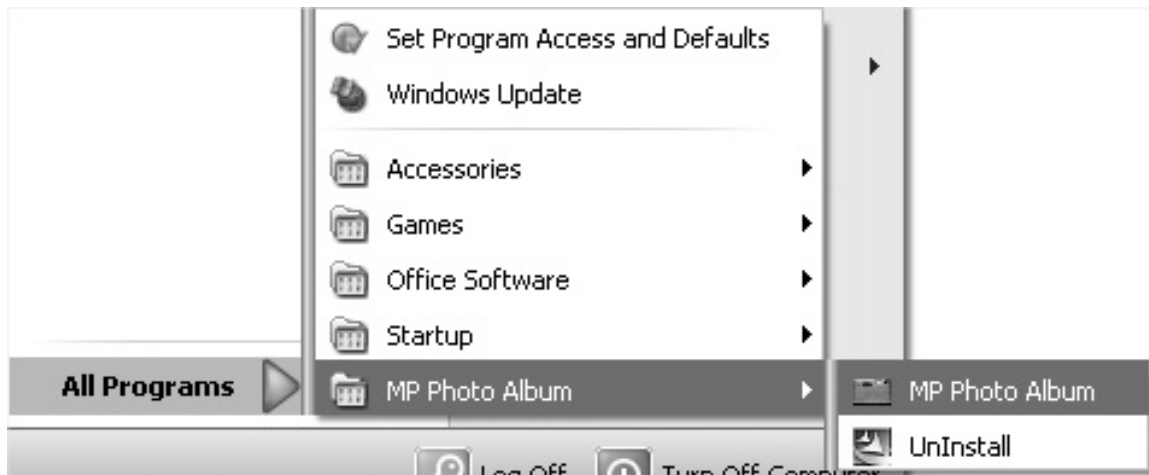


- After the drivers have been successfully installed the Found New Hardware Wizard will report on what has been installed. Click Finish.

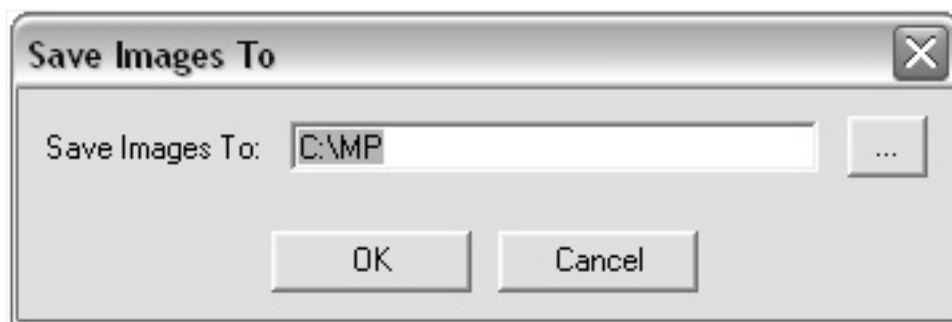
Mac Note: The drivers for the Mac are installed with the software and will not require any additional set up.

5 Using the Photo Album

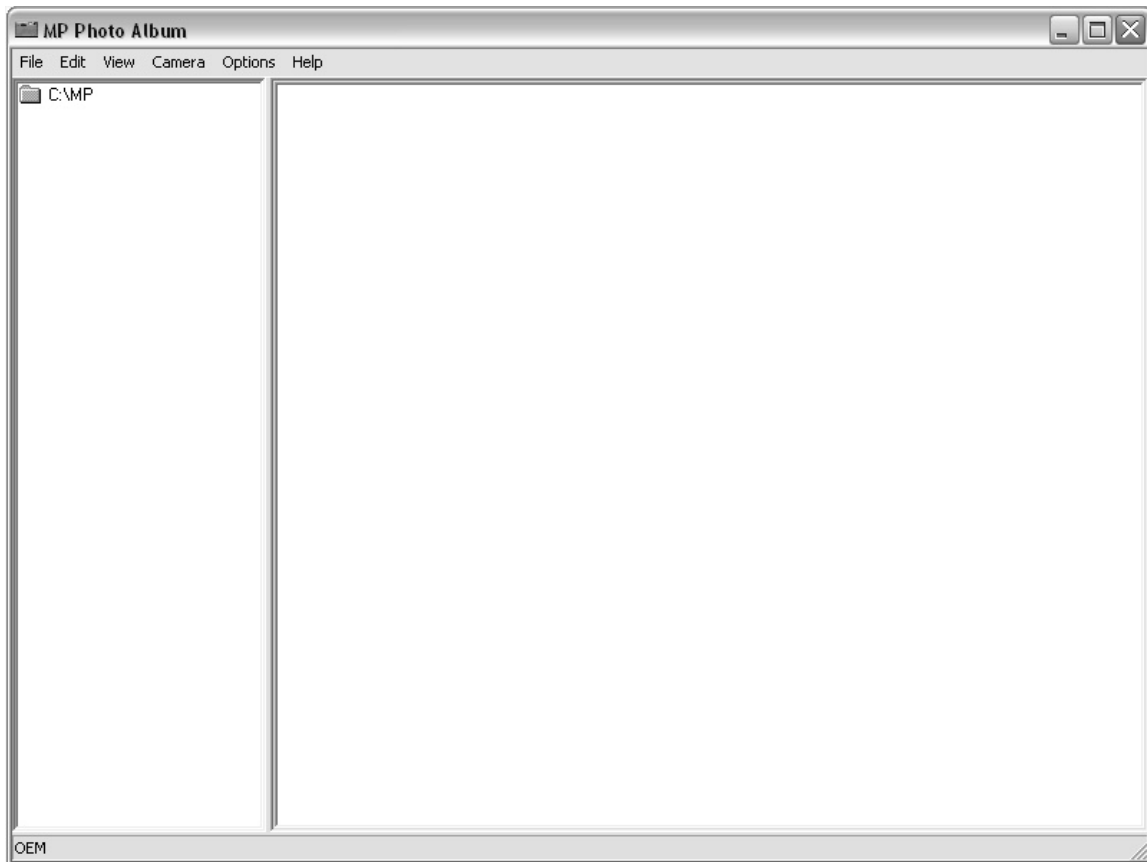
Opening the Photo Album



To access the Photo Album, click on the 1.3 MP Digital Camera Photo Album link from your task bar or from the desktop icon.



- The first time you open Photo Album you will be prompted to enter a destination directory. This is the directory where all of the images downloaded from the camera will be stored.

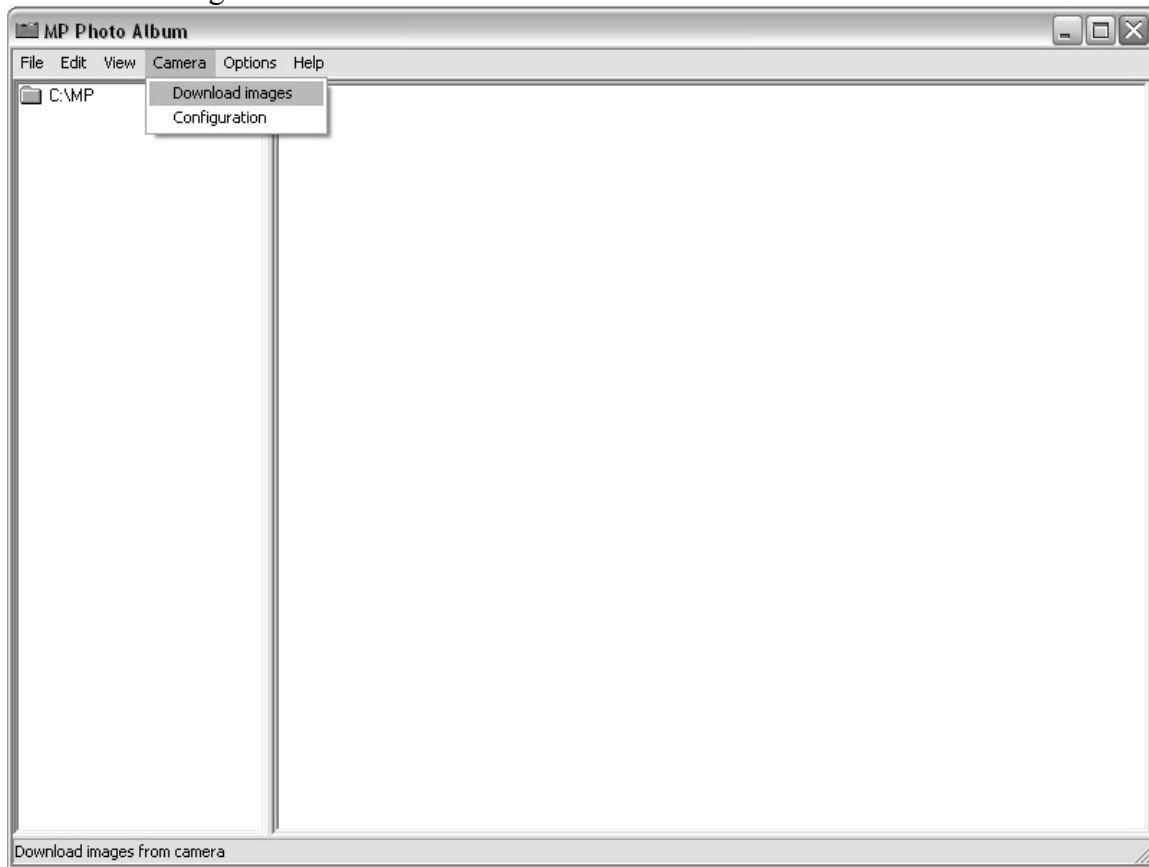


Downloading images from the camera

Note: Because the files stored in your camera are specially compressed to increase storage capacity, images must be downloaded using Photo Album before the images are converted into JPEG format images for use with other programs or computers.

Note for Mac OS X users: The software that is installed enables iPhoto to process the images from the 1.3-Megapixel Digital Camera.

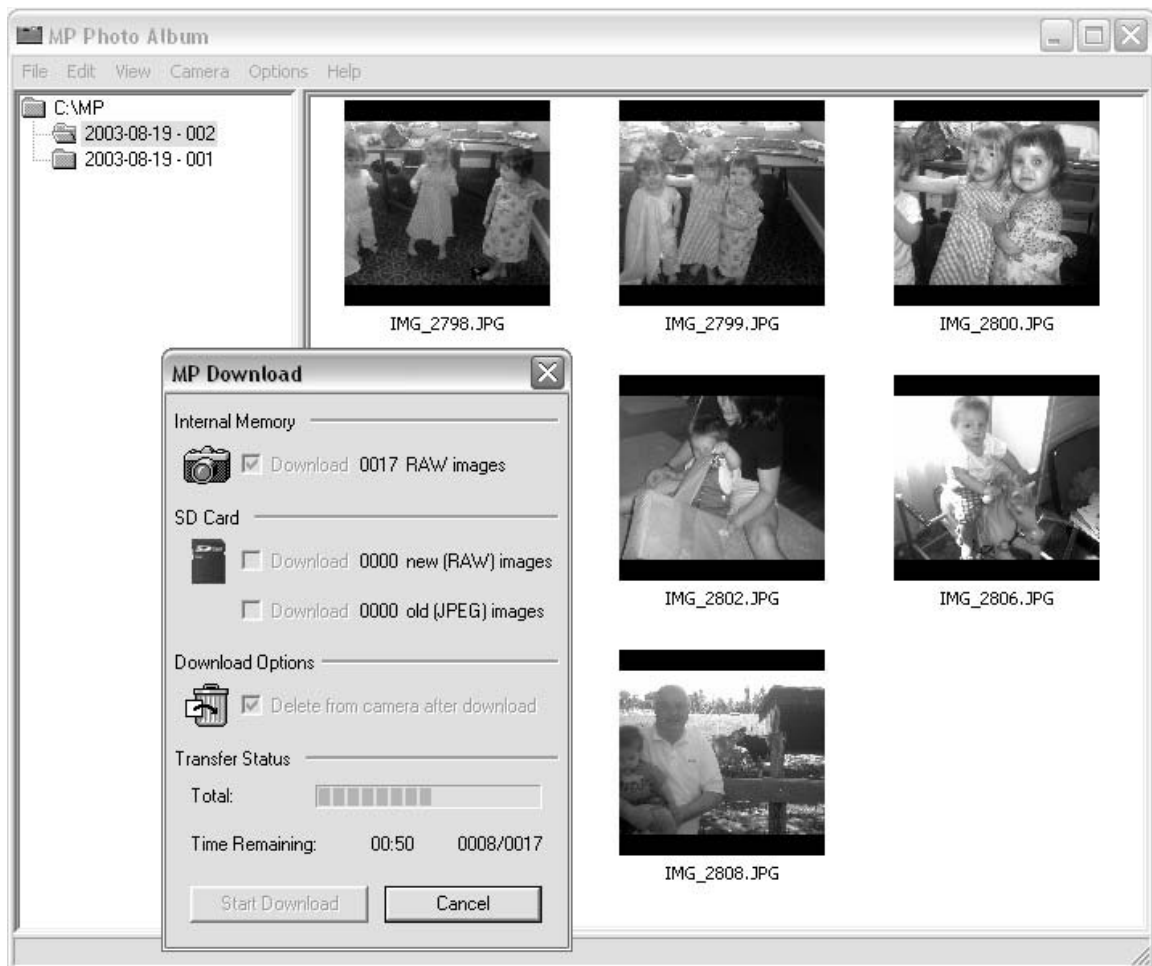
To download images:



- From the Menu Bar, select Camera. Then click Download Images.



- From this menu, select which images to download (from Internal Memory, SD Card or both) .
 - **Note:** When an SD card is in the camera, the card will be accessible to download images from.
 - **Note:** If you wish to delete the images after downloading them to your computer, make sure the box next to “Delete from camera after download” is checked underneath Download Options.
- Click Start Download.

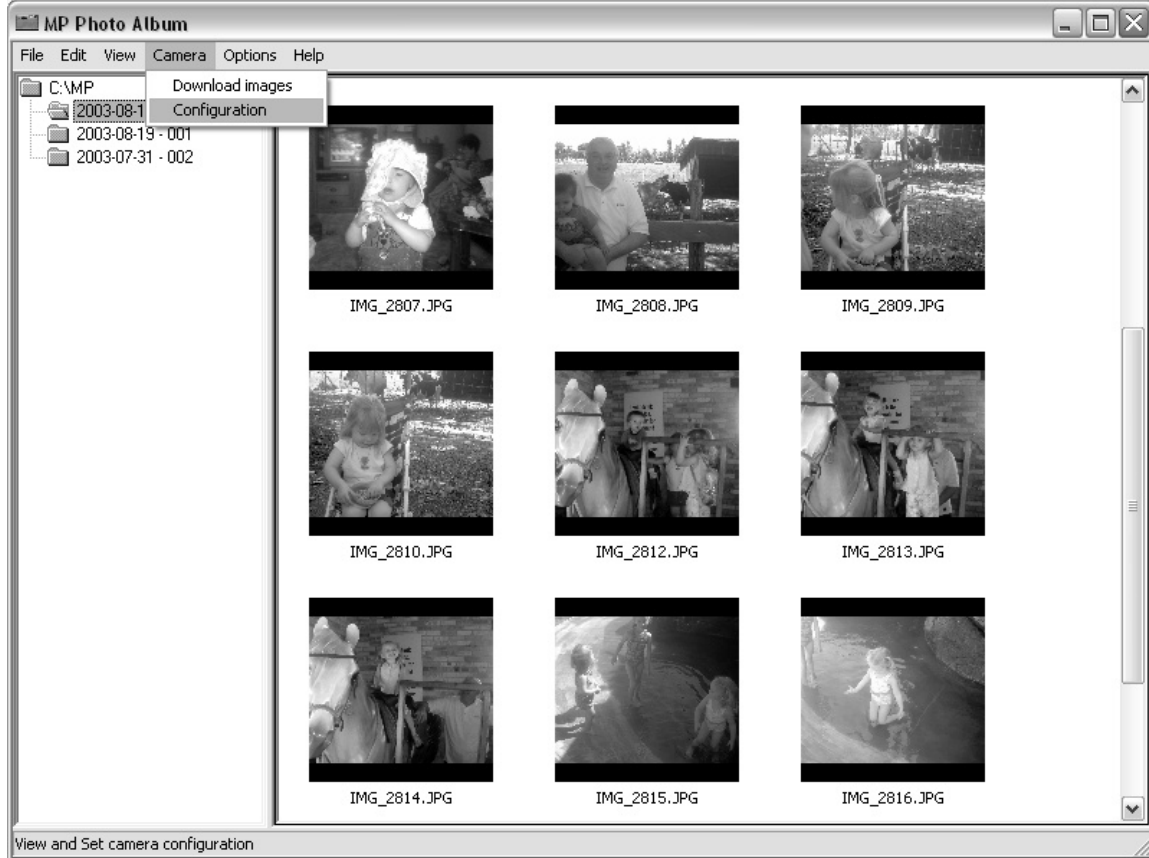


- As the images are downloaded they will be displayed as thumbnails in the main window of Photo Album.

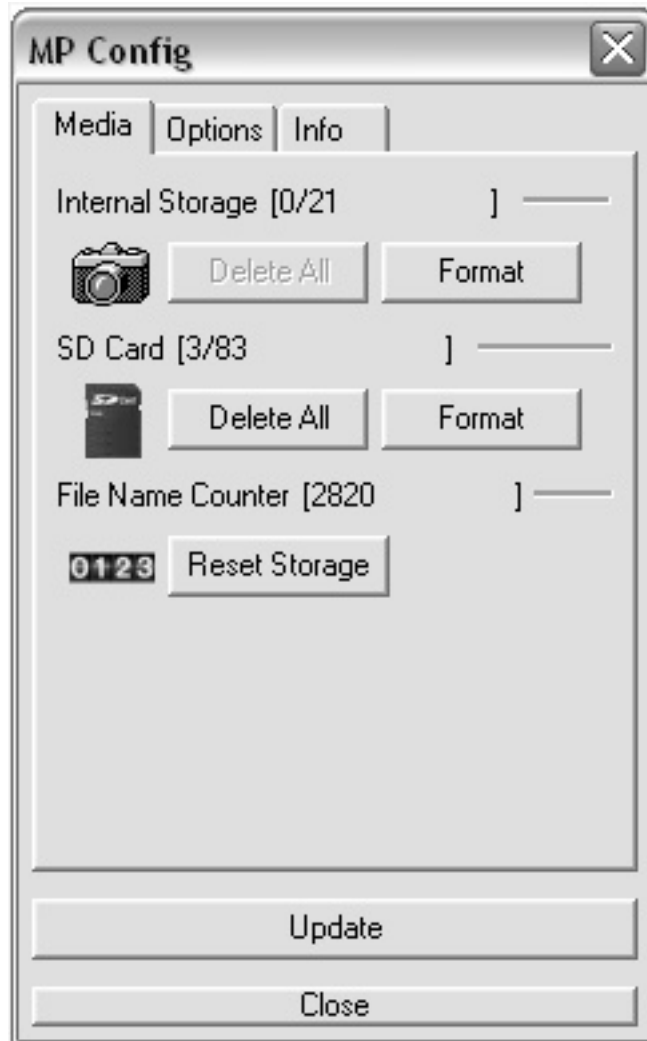
Note on “SD Write-Back”: Once the images have been processed in the Photo Album (and automatically converted into JPEG files), these images are automatically stored in your destination folder on your computer. In addition, when Photo Album has processed images that were downloaded originally from your SD card, those images are “written back” and stored on your SD card. The original ‘raw’ files on your SD card are replaced by the newly converted JPEG files.

Configuring the camera

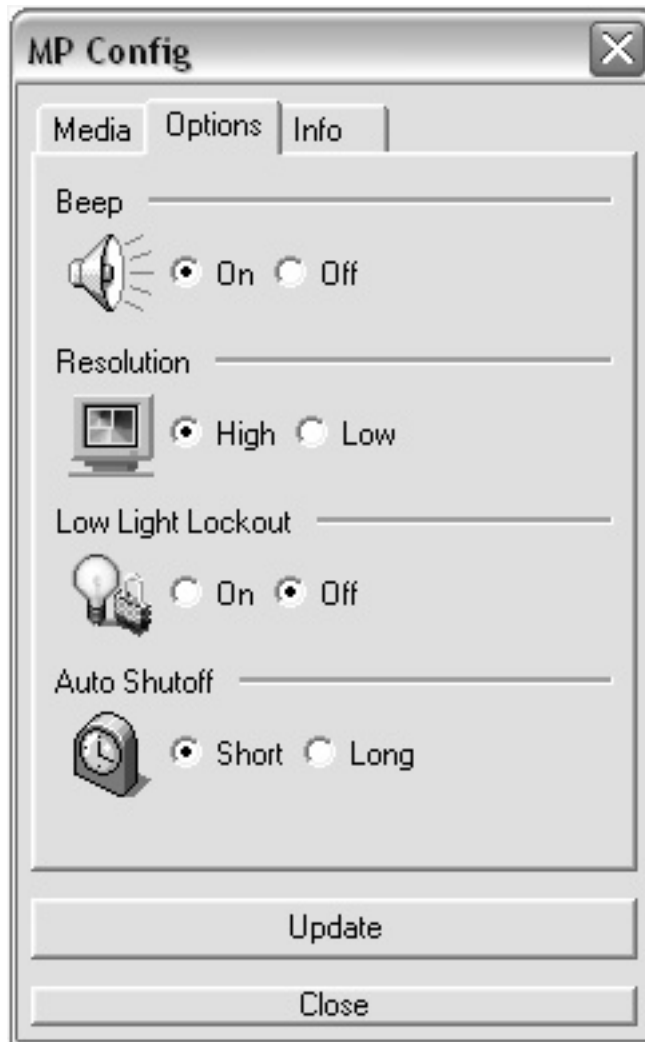
The configuration of the camera can be changed using the Photo Album software. To do this:



- Select Camera from the menu bar then click Configuration.
- There are three tabs within the Configuration window. To access each tab, simply click on the desired section. The three choices are:
 - Media
 - Options
 - Info



- The Media tab shows the status of the memory devices of the camera (the internal flash memory and the SD card that is inserted). From this tab you can:
 - Delete all the images from the internal flash memory by clicking the Delete All button under Internal Storage.
 - Delete all the images from the SD card by clicking the Delete All button under SD Card.
 - Format the internal flash memory by clicking the Format button under Internal Storage.
 - Format the SD card by clicking the Format button under SD card. (This may be necessary the first time an SD card is used, or if the card has become corrupted in some way. The LCD on the camera will display the error code "E2" when the SD card needs to be formatted.)
 - Reset the image file name counter by clicking Reset Storage. (When the images are stored, they are named in the format IMG_0001.JPG. This option will begin the count at 0001 again.)
- Whenever you make a change (such as inserting a new SD card), pressing the Update button will refresh the information displayed.



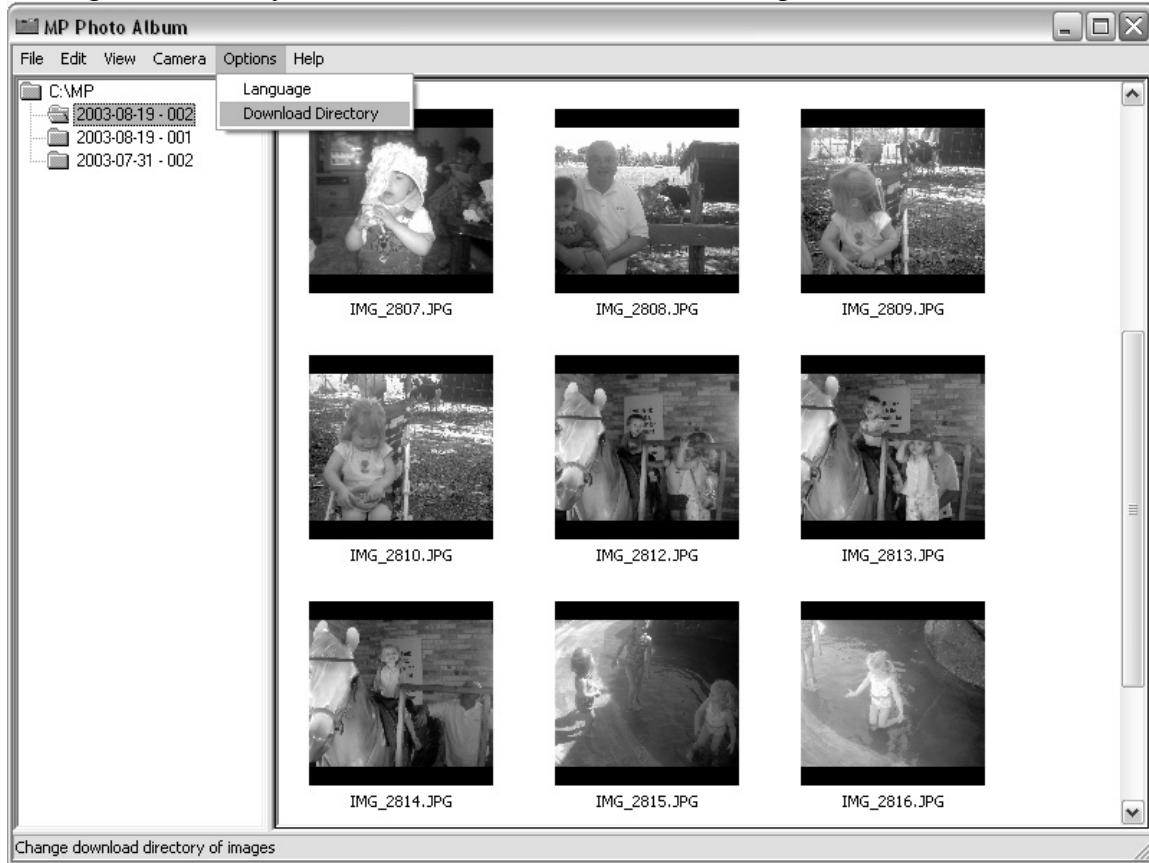
- The Options tab shows the current camera settings. From this menu you can:
 - Turn On/Off the camera beep
 - Set the Resolution
 - High = 1280 x 1024 pixels
 - Low = 640 x 480 pixels
 - Enable/Disable Low Light Lockout (for explanation of this function, see **Low light lockout** in Section 3).
 - Set the Auto Shutoff time
 - Short: times out after 30 seconds of inactivity
 - Long: times out after 60 seconds of inactivity
- To make these changes effective, click the Update button.



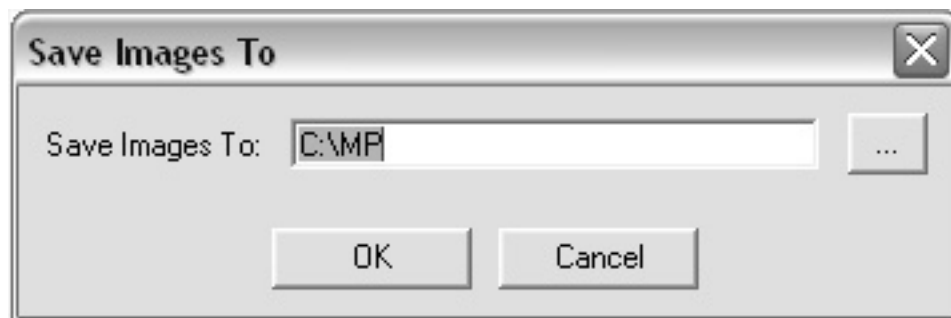
- The Info tab displays the status of your camera's battery and the version of the camera connected to the PC.

Changing the download directory

To change the directory to which Photo Album writes the images:



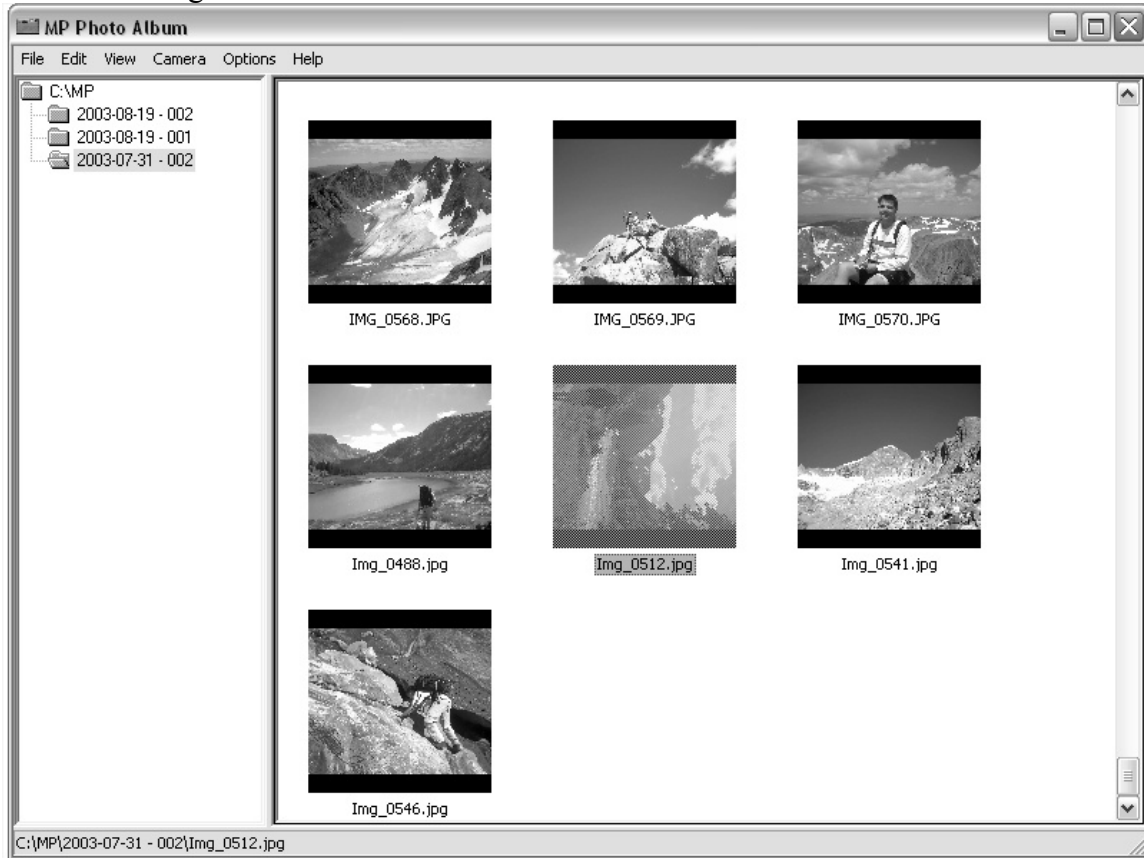
- From the Menu Bar, select Options and click on Download Directory.



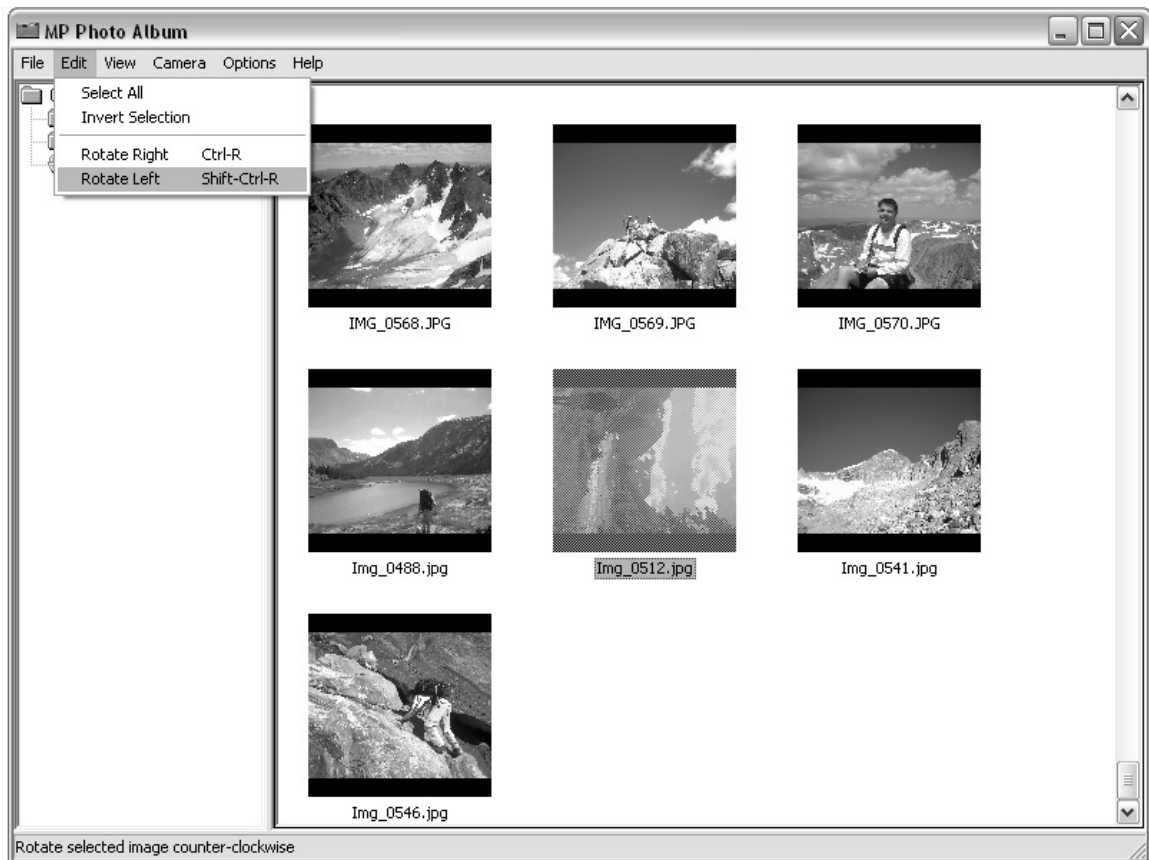
- Enter the desired location to store the files, or browse by clicking on the “...” button.

Rotating images

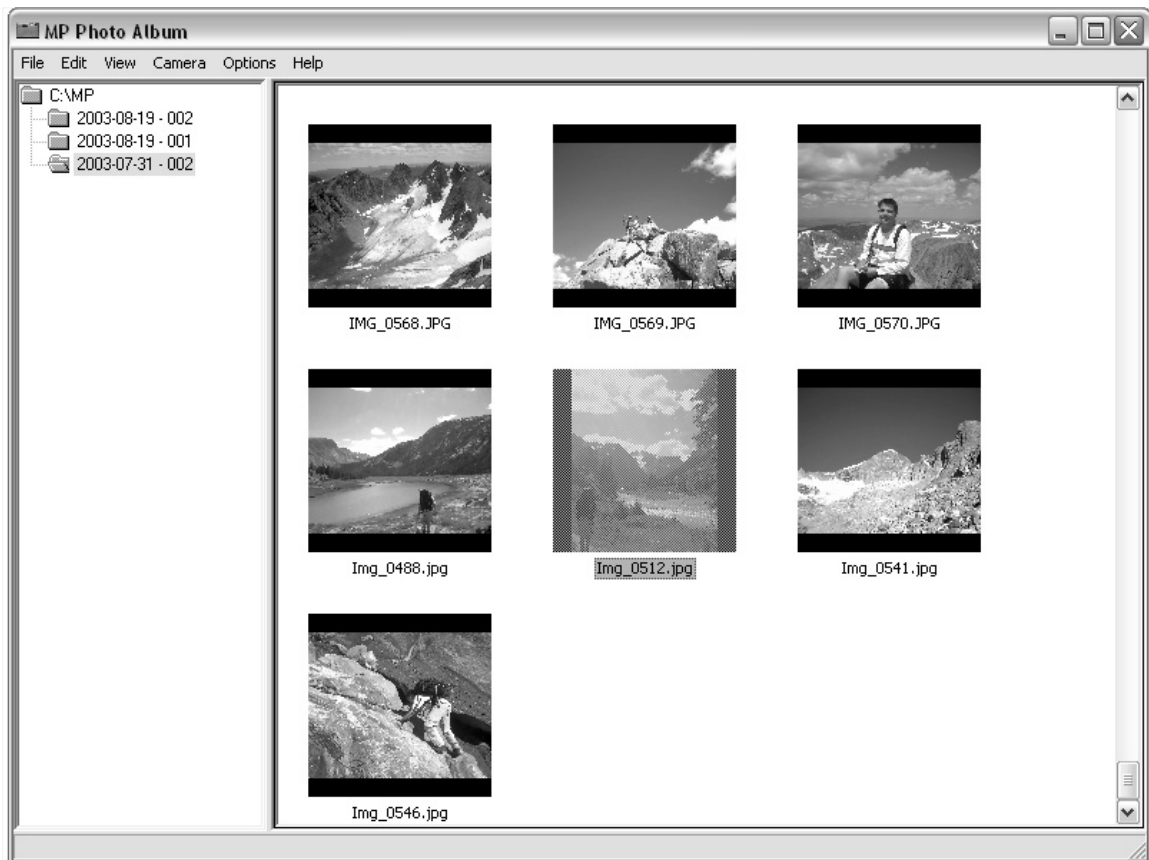
To rotate an image:



- Select on the image to be rotated by clicking on its thumbnail image in the main window.



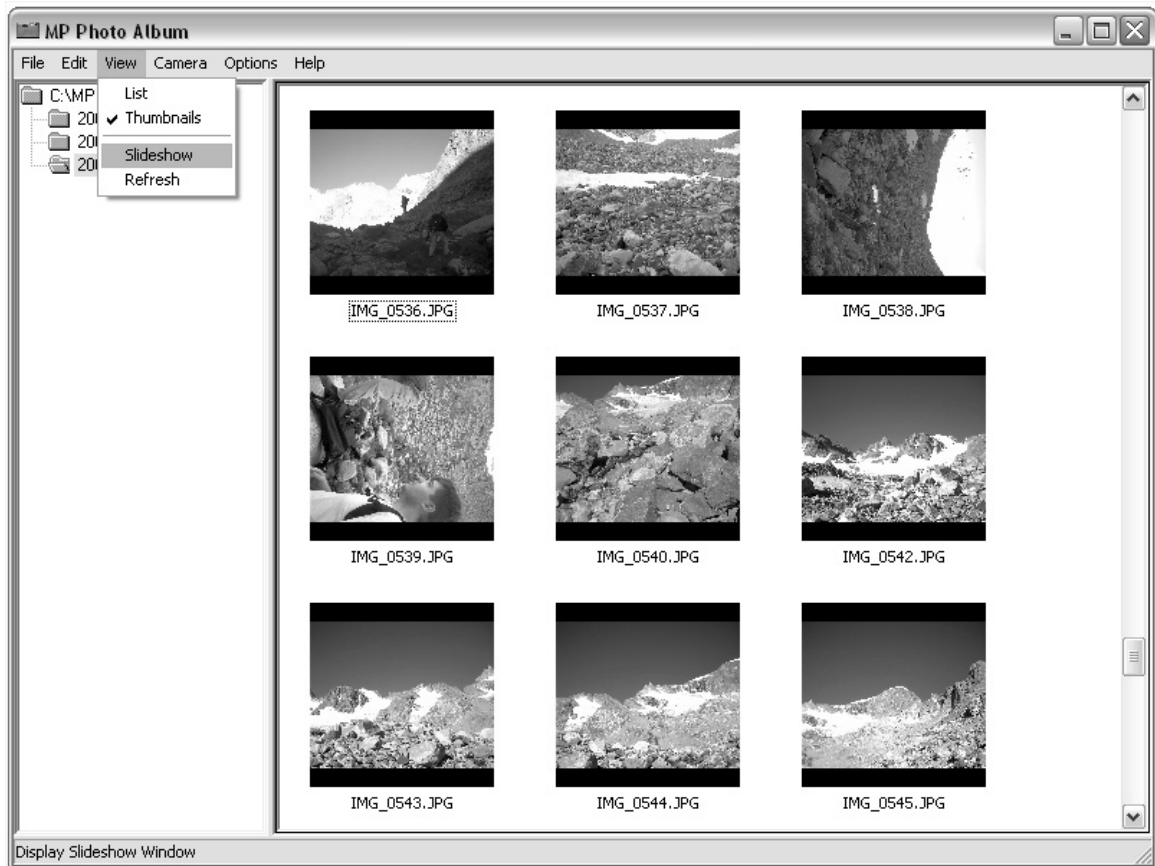
- Select Edit from the menu bar. Then select either Rotate Right (clockwise) or Rotate Left (counter-clockwise).
- The image will be rotated.



Slide Show

Slide Show is a function of the Photo Album which allows you to view all the pictures in a directory in a slide show format. To activate Slide Show:

- Double click on the image you wish to see, or



- From the menu bar, select View and click on Slideshow. A second window will open up and display the picture selected.



- The lower right hand corner of the window displays the image resolution (1282 x 1022 in the image above) and the time interval between slides. (2 seconds in the image above).

Slide show toolbar



1. Save As – Saves the current image.
2. Rotate Clockwise/Counter-Clockwise – Rotates the current image.
3. Fit Image to Window – Toggles between displaying the image's actual size and reducing the image into the window size.
4. Go to First Image – Starts the slide show from the first image in the directory.
5. Go to Previous Image – Rewinds the slide show one image.
6. Go to Next Image – Advances the slide show to the next image.

7. Go to Last Image – Advances the slide show to the last image.
8. Start Slide Show – Begins playing all the images as a slide show.
9. Stop Slide Show – Stops the slide show.
10. Faster Slide Show – Increases the speed of slide show by decreasing the display time of each image. The time increment is changed by 1 second with each click.
11. Slower Slide Show – Reduces the speed of the slide show by increasing the display time of each image. The time increment is changed by 1 second with each click.

6 Troubleshooting (Digital Camera)

Problem	Symptom	Likely Cause	Solution
No power	Camera will not turn on	Battery power has been depleted	Recharge the internal battery (Section 8)
Picture-taking	Image appears blurred or dark	The camera or subject was moving when the shot was taken	Hold the camera firmly
		The subject is too close	Move away from the subject
		The lens is dirty	Clean the lens with a soft cloth
	Flash does not go off as expected	Flash has not finished charging	Wait until the flash icon stops flashing
	Camera will not focus	Subject is not in the center of the Lens Viewfinder	Move the subject to the center of the Lens Viewfinder
	Cannot take pictures when the shutter button is pressed	Camera is not turned on	Turn on the camera
		No space on the SD card / internal memory	Delete unwanted files (Section 8) or insert a new SD card (Section 8)
		The camera has timed out	Turn the camera on by pressing either the “sound” or “resolution” button. To change length of time before the camera times out, see Configuring the camera (Section 8)
PC Connection	PC does not recognize the camera	Check the USB cable connection	Make sure both ends of the USB cable are connected

		Interference from other USB devices	Disconnected other USB devices
		Check computer	Connect the camera to the PC with the USB cable and select [My Computer] – [Control Panel] – [System] – [Device Manager]. In the [Device Manager] window delete [Compose USB device] or [Unknown device] in [Other devices]. Then disconnect the camera and install the software before reconnecting the camera to the PC.
Camera malfunctions during use	Electrostatic discharge interfered with the camera	Check if the camera is connected to the PC	Turn off the camera and then turn it back on. If connected to the PC disconnect the camera from the USB cord, and turn it off then on again.
Everything on the LCD flashes and “7” or “8” is displayed	Camera firmware defect	Sync firmware with PC	If the “Camera firmware is out of sync. Update recommended. Update firmware?” message appears when you connect the camera to your PC with the USB cable, click the [Yes] button to update your firmware.
LCD displays “E2” when a SD memory card is inserted	Incompatible file system on SD memory card	Format SD card	See Formatting flash memory or SD card (Section 8)

7 Specifications (Digital Camera)

Imager	1/3-inch SmaL SXGA-format CMOS imager with Autobrite*
Imager Resolution	1280 x 1024 active pixels
Dynamic Range	55 dB linear / up to 85 dB with Autobrite*
Exposure Control	Automatic with Autobrite and low-light-level strobe activation
Sensitivity	Equivalent to ISO 100
Exposure time	1/15 second to 1/4000 second
Exposure-to-exposure time	<1.5 seconds
Lens	Glass, F.L. = 7 mm, F/3.0 (equivalent to 49 mm lens on a 35 mm camera)
Lens focus	Fixed, 1m (2.2 ft) to infinity
Viewfinder	Reverse-Galilean optical viewfinder with aiming mark
Display	Status LCD
Controls	On-off, sound, mode, and shutter switches
Strobe	Xenon flash lamp, guide number = 4.5
Strobe activation	Automatic (low-light detection)
Strobe distance	Approx. 0.8m ~ 2m
Image resolution settings	Hi-resolution (SXGA) Low-resolution (VGA)
White Balance	Autobrite*
Built-in storage	16MB flash memory holds 21 images (high-resolution SXGA); 91 images (low-resolution VGA)
Expansion slot	SD card
Computer/host interface	USB 2.0 full-speed interface
System requirements	233 MHz Pentium 2 or greater with MS Windows 98, ME, 2000, or XP; Apple Macintosh G3 with OS 9 or above
Dimensions	87.88 mm x 55.88 mm x 11.2 mm (3.46" x 2.20" x .044")(not including protruding lens)
Weight	Approx. 46 grams
Battery specification	Lithium-polymer battery (rechargeable, non-removable)
Operation environment	Temperature: Approx. 0°C ~ 40°C (32°F ~ 104°F) Humidity: 80% or less (no condensation)

*Autobrite is a registered trademark of SmaL Camera Technologies, Inc. of Cambridge, MA, USA.

8 Safety Notes

We strongly recommend that you read these Safety Notes (and associated materials) before using your camera.

WARNING

- The enclosed disk is a computer CD-ROM. Never attempt to play this disk on an ordinary music CD player as it may produce extremely high noise levels that could damage your hearing or your audio equipment.
- The camera is a precision instrument. Never attempt to dismantle this device. There is a serious danger of a powerful electric shock.
- Do not drape the connection cord around your neck or otherwise treat the cable carelessly, as this could result in suffocation or injury.
- Do not look through the viewfinder at the sun or other strong light. Doing so could damage your eyesight.
- Do not leave the camera in locations exposed to direct sunlight, as this could cause a fire due to magnification by the lens.
- Do not bring the camera close to a flame or throw it into a fire.
- Do not drop the camera or otherwise subject it to strong impact.
- Do not immerse the camera in water.

Notes on Copyright

Images recorded using your digital camera system cannot be used in ways that infringe copyright laws without the consent of the owner, unless intended only for personal use. Note that some restrictions apply to the photographing of stage performances, entertainments and exhibits, even when intended purely for personal use. Users are also asked to note that the transfer of memory containing images or data protected under copyright laws is only permissible within the restrictions imposed by those copyright laws.

Liquid Crystal

If the liquid crystal display (LCD) is damaged, take particular care with the liquid crystal inside the panel. If any of the following situations arise, take the urgent action indicated:

- If liquid crystal comes in contact your skin: Wipe the area with a cloth and then wash thoroughly with soap and running water.
- If liquid crystal gets into your eye: Flush the affected eye with clean water for at least 15 minutes and then seek medical assistance.
- If liquid crystal is swallowed: Flush your mouth thoroughly with water. Drink large quantities of water and induce vomiting. Then seek medical assistance.

Handling Your Digital Camera Safely

This camera contains precision electronic components. To ensure that images are recorded correctly, do not subject the camera to impact or shock while an image is being recorded.

Places to Avoid

Do not use or store the camera in the following types of locations:

- In the rain or in very humid, dirty or dusty places.
- Places subject to extreme temperature rises, such as in direct sunlight or a closed car in summer. Extremely cold places.
- Places subject to strong vibration.
- Places affected by smoke or steam.
- Places subject to strong magnetic fields (such as near motors, transformers or magnets).
- In contact with chemicals such as pesticides or next to rubber or vinyl products for long periods of time.
- Sandy places such as beaches or deserts, or places where there is wind-borne sand.

Note on Condensation

If the camera is carried suddenly from a cold location into a warm location, water droplets may form on the inside of the camera or on the lens (condensation). When this occurs, switch the camera off and wait an hour before using the camera.

Cleaning Your Camera

- Use a blower brush to remove dust from the lens, LCD or viewfinder, and then wipe lightly with a soft, dry cloth. Leaving the lens extended for long periods can allow dust to enter the camera's viewfinder. However, this does not affect the image.
- Do not scratch hard objects against the lens, LCD or viewfinder as these surfaces are easily damaged.
- Clean the body of the camera with a soft, dry, cloth. Do not use volatile substances such as thinners, benzene or insecticide, as these may react with the camera body finish and cause deformation or remove the coating.

Checked Baggage

When traveling by air, do not place your camera in the check-in baggage. Baggage handling at airports may subject baggage to violent shocks, and the camera may be damaged internally even when no external damage is visible.

To prevent fire or shock hazard, do not expose the camera to rain or moisture.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Disposing of This Product

When disposing of this product, do so in accordance with your local waste disposal regulations.

9 Trademarks

- Autobrite is a registered trademark of SMaL Camera Technologies, Inc. of Cambridge, MA, USA.
- Microsoft and Windows are trademarks of the Microsoft Corporation of the U.S. and other countries. Windows is an abbreviated term referring to the Microsoft Windows Operating System.
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